|       | Index of Claims                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |               |         |              |           |              |          |          |       |            |                           |        |           |            |                     |           |                     |                     |                     |           |          |           |            |        |                     | Reexamination |              |        |        |              |          |   |
|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------|--------------|-----------|--------------|----------|----------|-------|------------|---------------------------|--------|-----------|------------|---------------------|-----------|---------------------|---------------------|---------------------|-----------|----------|-----------|------------|--------|---------------------|---------------|--------------|--------|--------|--------------|----------|---|
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |               |         |              |           |              |          |          |       |            |                           |        |           | 10/647,991 |                     |           |                     |                     |                     |           |          |           |            |        | MOENNING ET AL.     |               |              |        |        |              |          |   |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |               |         |              |           |              |          |          |       |            |                           |        |           | Examiner   |                     |           |                     |                     |                     |           |          |           |            |        | Art Unit            |               |              |        |        |              |          |   |
|       | FERROT FIRM RENTE ENTER FIRET FERROT FOR STATE S |               |         |              |           |              |          |          |       |            |                           |        |           |            | Shumaya B. Ali      |           |                     |                     |                     |           |          |           |            |        | 3743                |               |              |        |        |              |          |   |
| r     | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               | _       |              | ו         |              | _        | Γ        | 17    | hace       | <b>ab</b> =               |        |           |            |                     |           |                     |                     |                     |           |          | $\neg$    | 1          | П      |                     |               |              |        |        | 7            |          |   |
| ŀ     | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Rej           | ect     | ted          |           |              | -        |          | 11    | nrou<br>Ca | ugh numeral)<br>Cancelled |        |           |            |                     | ı         | N Non-Ele           |                     |                     | cte       | d        |           | A          | Appeal |                     |               |              |        |        |              |          |   |
|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <u> </u>      |         | 1            |           | + Restricted |          |          |       |            |                           |        | I Inte    |            |                     |           |                     | neformano.          |                     |           |          | 0         |            | Oh.    | 100                 | • o d         | 1            | 1      |        |              |          |   |
| Ľ     | =                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | All           | ow<br>— | ea           |           |              | Ľ        |          |       | Restricted |                           |        |           |            | ╛                   | L         | <u>'</u>            | In                  | interference        |           |          |           |            |        | Objected            |               |              |        |        |              |          |   |
| Claim |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |               | ш.      | Dai          | te        |              |          |          | Ctaim |            |                           |        |           | D          | ate                 |           |                     |                     |                     |           |          | im        |            |        |                     |               | Date         |        |        | $\neg$       |          |   |
|       | ٦                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Т             | Τ       | Ť            | Ť         | Τ            | Т        |          |       |            |                           |        |           |            | П                   | T         | T                   | 1                   | T                   | ٦         |          |           |            | П      | T                   | Т             | Т            | Τ      | Τ      | Т            | П        |   |
| Final | 1/23/08                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |               |         |              |           |              |          |          |       | Final      | Original                  |        |           |            |                     |           | 1                   | 1                   |                     |           |          | Ē         | Original   |        |                     | ı             |              |        |        |              | П        |   |
| لها   | _1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | $\bot$        | 4       | $\perp$      | ╀         | L            | L        |          |       | Ш          | 51                        |        |           | $\dashv$   | $\perp$             | 4         | 4                   | 4                   | 4                   | 4         | $\perp$  | 4         | 101        | Ц      | 4                   | 4             | +            | ╀      | ╀      | ╀            | Н        |   |
|       | #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | +             | ╁       | +            | ╁         | ╁            | $\vdash$ | H        |       | Н          | 52                        | Н      |           | $\dashv$   | 1                   | 1         | 1                   | 1                   | $\pm$               | $\exists$ | E        |           | 102        |        | 1                   | $\pm$         | 士            | 1      | İ      | 士            | Н        |   |
| 12    | 耳                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1             | Ţ       | I            | L         | Γ            | L        |          |       |            | 53                        |        |           | $\Box$     | $\dashv$            | $\bot$    | 4                   | 1                   | $\downarrow$        | 4         | F        |           | 103        | Ц      | 4                   | 4             | $\downarrow$ | $\bot$ | 1      | $\downarrow$ | Н        |   |
| 1 5   | ╗                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | +             | ╁       | +            | ╀         | ╁            | ╁        | $\vdash$ |       | $\vdash$   | 54<br>55                  | Н      | Н         | $\dashv$   | $\dashv$            | +         | +                   | +                   | +                   | ┪         | $\vdash$ |           | 105        | H      | +                   | $\dagger$     | +            | 十      | 十      | ╁            | Н        |   |
|       | <u>ग</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ユ             | I       | Į            | 1         | I            | L        |          |       |            | 56                        |        | ٥         |            | $\Box$              | 7         | 7                   | 7                   | 1                   |           |          |           | 106        | П      | 7                   | Ţ             | Ţ            | 7      | Ţ      | Ţ            | $\Box$   |   |
| 112   | 돠                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | +             | ╀       | +            | ╀         | ╀            | ╀        | H        |       | $\vdash$   | 57<br>58                  | Н      | Н         | $\dashv$   | $\dashv$            | +         | +                   | +                   | +                   | $\dashv$  | $\vdash$ |           | 107<br>108 | Н      | $\dashv$            | +             | +            | +      | +      | +            | Н        |   |
|       | J                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 土             | 土       | 丰            | t         | T            |          |          |       |            | 59                        | П      |           | $\Box$     | ゴ                   | 1         | #                   | 1                   | 7                   | $\exists$ | F        |           | 109        | П      | 7                   | 1             | 1            | 1      | Ţ      | I            |          |   |
|       | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | +             | ╀       | ╀            | ╀         | ╀            | ╀        | ┝        |       | -          | 60<br>61                  |        | Н         | $\dashv$   | $\dashv$            | +         | +                   | +                   | +                   | $\dashv$  | $\vdash$ |           | 110<br>111 | Н      | +                   | +             | ╁            | +      | ╁      | ╁            | H        |   |
| 12    | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1             | İ       | $^{\dagger}$ | 上         | İ            | t        |          |       |            | 62                        |        |           |            | ゴ                   | 1         | 1                   | ユ                   | 1                   | ゴ         |          |           | 112        |        | 士                   | 1             | #            | 1      | #      | I            |          |   |
|       | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Ţ             | Ŧ       | 1            | F         | L            | F        |          |       |            | 63<br>64                  |        |           | Н          | 4                   | +         | +                   | +                   | 4                   | 4         | -        |           | 113<br>114 | Н      | +                   | +             | +            | ╀      | +      | ╀            | Н        |   |
|       | N<br>N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | +             | ╁       | +            | ╁         | ╁            | ╀        | H        |       | $\vdash$   | 65                        | H      | $\dashv$  |            | $\dashv$            | +         | $\pm$               | $\dagger$           | $\pm$               | Ⅎ         |          |           | 115        |        | 1                   | 1             | 1            | 土      | 士      | İ            |          |   |
| 16    | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               | 1       | 1            | Į         | T            |          |          |       |            | 66                        |        |           |            | $\Box$              | $\bot$    | $\Box$              | 7                   | 7                   | $\exists$ | F        |           | 116        |        | 1                   | Ţ             | 1            | Ŧ      | Ţ      | L            |          |   |
|       | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | +             | ╀       | ┿            | ╁         | ╄            | ╀        | $\vdash$ |       | $\vdash$   | 67<br>68                  | Н      | Н         |            | $\dashv$            | ╅         | ╅                   | +                   | +                   | $\dashv$  | $\vdash$ |           | 117<br>118 | Н      | $\dashv$            | +             | ╅            | +      | +      | +            | H        |   |
| 19    | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 土             | 1       |              | 上         | İ            |          |          |       |            | 69                        |        |           |            | $\Box$              | #         | #                   | 1                   | $\Box$              | コ         |          |           | 119        |        | $\rightrightarrows$ | 1             | 1            | 1      | Ţ      | I            |          |   |
| 20    | 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -             | +       | +            | +         | ╀            | ╀        | -        |       | $\vdash$   | 70<br>71                  | Н      |           | $\dashv$   | -                   | $\dashv$  | +                   | +                   | +                   | $\dashv$  | $\vdash$ |           | 120<br>121 | Н      | ┽                   | +             | +            | ╫      | ╀      | ╁            | H        |   |
|       | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | +             | +       | +            | $\dagger$ | $\dagger$    | T        |          |       |            | 72                        |        |           |            | 1                   | 1         | $\pm$               | 士                   | 1                   | ╛         |          |           | 122        |        |                     | 土             | 土            | 土      | 1      | 上            |          |   |
|       | 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Ŧ             | Ţ       | Ţ            | Ŧ         | F            | L        | L        |       |            | 73<br>74                  | Ш      | П         | $\Box$     | _                   | 4         | 7                   | 4                   | 4                   | 4         |          | $\dashv$  | 123<br>124 | Н      | +                   | +             | +            | +      | +      | ╀            | +        |   |
|       | 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -             | +       | +            | +         | 十            | +        | ╁╴       |       | $\vdash$   | 75                        | H      | Н         | Н          | +                   | +         | +                   | $\dashv$            | $\pm$               | ╛         |          |           | 125        | Н      | $\perp$             | 1             | $\pm$        | 士      | 士      | 土            |          |   |
| 26    | Ţ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1             | T       | I            | Į         | Į            | L        |          |       |            | 76                        |        | П         |            | $\Box$              | $\dashv$  | 7                   | 7                   | $\exists$           | $\Box$    | F        | $\exists$ | 126        | П      | $\dashv$            | 4             | $\mp$        | +      | $\bot$ | $\bot$       | $\sqcup$ |   |
|       | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | +             | +       | +-           | ╀         | +            | +        | $\vdash$ | l     | $\vdash$   | 77<br>78                  | Н      | Н         | Н          | $\dashv$            | +         | +                   | +                   | +                   | $\dashv$  | $\vdash$ |           | 127<br>128 | Н      | +                   | +             | +            | +      | +      | +            | Н        |   |
| 29    | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 土             | 土       | 上            | 士         | 上            |          |          | 1     |            | 79                        | $\Box$ | $\square$ |            |                     | #         | #                   | 1                   | 丁                   | $\Box$    |          | $\Box$    | 129        | 口      | $\Box$              | ユ             | 1            | 1      | I      | 工            | П        |   |
| 430   | ₹                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | +             | +       | +            | +         | +            | +        | H        |       | $\vdash$   | 80<br>81                  | Н      | Н         | Н          | -                   | +         | $\dashv$            | +                   | +                   | $\dashv$  | $\vdash$ |           | 130<br>131 | Н      | +                   | +             | +            | +      | +      | +            | Н        |   |
| 1 32  | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 士             | 士       | 士            | İ         | İ            | 士        | $\Box$   |       |            | 82                        |        |           | Ħ          | ╛                   | _         | 士                   | 1                   | $\perp$             |           |          |           | 132        |        | <del>ゴ</del>        | 士             | 土            | 土      | 1      | I            |          |   |
| 1 33  | N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | $\perp$       | Ŧ       | Ţ            | F         | F            | Γ        | F        |       |            | 83                        |        |           | П          | J                   | $\dashv$  | $\bot$              | 4                   | $\dashv$            | $\exists$ | F        |           | 133<br>134 | П      | $\dashv$            | 4             | $\bot$       | +      | Ŧ      | +            | $\vdash$ |   |
| 34    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | +             | ╁       | +            | +         | +            | ╁        | $\vdash$ | 1     |            | 84<br>85                  | H      | Н         | Н          | +                   | +         | $\dashv$            | +                   | $\dashv$            | $\dashv$  | $\vdash$ | _         | 135        | Н      | $\dashv$            | 十             | _            | †      | †      | $\dagger$    |          |   |
| 36    | ग                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 丰             | T       | 丰            | #         | I            | L        |          | 1     |            | 86                        |        | 口         | 口          | $\rightrightarrows$ | $\dashv$  | $\rightrightarrows$ | $\rightrightarrows$ | $\dashv$            | $\exists$ | F        |           | 136        | П      | $\dashv$            | 7             | 1            | Ŧ      | Ŧ      | Ŧ            |          |   |
| 37    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | +             | +       | ┿            | +         | +            | ╁        | $\vdash$ | 1     | $\vdash$   | 87<br>88                  | H      | Н         | Н          | +                   | +         | +                   | $\dashv$            | +                   | $\dashv$  |          |           | 137<br>138 | Н      | $\dashv$            | +             | +            | +      | +      | +            | ╁        |   |
| ₹ 39  | 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | $\Rightarrow$ | 土       | 士            | 丰         | 丰            | 口        |          | 1     |            | 89                        |        |           | $\Box$     | ⇉                   | コ         | $\dashv$            | ゴ                   | $\rightrightarrows$ | $\Box$    |          | _         | 139        | $\Box$ | $\Box$              | コ             | #            | #      | #      | #            |          |   |
| 40    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 4             | +       | +            | +         | +            | +        | -        | l     | $\vdash$   | 90                        | -      | $\vdash$  | Н          | $\dashv$            | $\dashv$  | +                   | +                   | $\dashv$            | $\dashv$  | $\vdash$ | $\dashv$  | 140<br>141 | Н      | +                   | +             | +            | +      | ╁      | +            | +        |   |
| 142   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 士             | 土       | 土            | 土         | 士            | 上        | 上        |       |            | 92                        |        | $\Box$    |            |                     | コ         | _                   | 寸                   | $\exists$           | $\exists$ |          |           | 142        |        |                     | コ             | $\downarrow$ | #      | 丰      | #            |          |   |
| 43    | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | $\perp$       | +       | F            | 1         | +            | 1        | 1        | 1     | <b>—</b>   | 93<br>94                  | -      | $\vdash$  | Н          | $\dashv$            | $\dashv$  | +                   | $\dashv$            | $\dashv$            | $\dashv$  | -        | $\dashv$  | 143<br>144 | Н      | $\dashv$            | +             | +            | +      | +      | +            | +        |   |
| 45    | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | $\pm$         | 士       | $\pm$        | $\pm$     | 士            | $\perp$  |          | 1     |            | 95                        |        |           | Н          |                     |           | 士                   | $\exists$           | _                   | ╛         | E        | 士         | 145        |        |                     | 士             | 士            | 土      | 土      | 上            | 上        |   |
| 46    | $\Box$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | $\perp$       | Ţ       | Ţ            | T         | F            | F        | F        | 1     |            | 96<br>97                  |        | П         | П          | П                   | 4         | $\dashv$            | 4                   | $\dashv$            | $\neg$    | F        | $\dashv$  | 146<br>147 | $\Box$ | 4                   | -[            | 4            | 4      | +      | +            | +        |   |
| 47    | $\dashv$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | +             | +       | $\pm$        | 十         | +            | +        | $\vdash$ | 1     |            | 98                        |        | H         | H          | $\vdash$            | _         | 士                   | $\exists$           | 士                   | $\exists$ | H        | _         | 148        |        |                     | 士             | $\pm$        | 士      | 士      | İ            | 上        |   |
| 49    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |               | #       | I            | T         | T            | T        |          | 1     |            | 99                        |        | $\Box$    |            |                     | $\exists$ | $\Box$              | $\Box$              | $\Box$              | $\Box$    | F        | $\Box$    | 149        | Г      | $\Box$              | 7             | Ţ            | T      | Ŧ      | T            | F        |   |
| 50    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |               | 上       |              | 1         |              | 1_       | <u>L</u> | j     |            | 100                       | ட      |           | نا         |                     | L         |                     |                     |                     |           | ┖        | 1         | 150        | 1      | Щ                   | ᆚ             | i_           |        | _1_    | ┸            |          | į |

Application/Control No.

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